Fig. 5. F G H I ſhows the hinder part of the laſt mentioned caſe, where by G H are deſcribed the well made ſharp Points, which are ſo uſeful to that Creature, and to faſten it in the Web, whilſt it is a Worm.

I ſhall conclude here, and in the mean time remain,

Sir,

Your moſt humble Servant,

Anthony Van Leeuwenhoeck.

III. *A Letter from Mr* Charles King *to Mr* Sam. Doudy, *F. R. S. concerning Crabs Eyes.*

Little Wirley, Decemb. 14.

S I R,

I Cannot give you any ſatisfactory account of the Stones in the Heads of Craw-fiſh, for I never made any obſervations but caſually, and without any deſign of a particular account of them, having not ſo much as made any note of the months that they firſt appear, and what time they grow to perfection. I only remember in general, that they are always on the outſide of the Stomach, while the old Coat ſticks on the back of the Fiſh, and paſs into the Stomach as ſoon as they caſt their Coats, having never ſeen them on the outſide when they have changed, nor within before. And I alſo remember the Males change their Coats a conſiderable time before the Females, for they always keep theirs till they have parted with their young

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young from their Tails. I do not remember that I ever obſerved any thing of them but what a good and full account is given of in a Book entituled *Gammarologia, of Phil. Jac. Sachs* ſhewed me by Dr *Plot*; if upon peruſal of that Book, any thing occurs that you deſire farther ſatisfaction in, I ſhall be ready to give you the beſt information I can, if you ſend any Queries to

Your Humble Servant,

Ch. King.

IV. *Part of Monſieur* Poupart's *Letter to Dr* Martin Liſter, *F. R. S. concerning the Inſect called* Libella.

IT is a flying Inſect, called in *France Demoiſelle*, from the variety of its Colours, tranſparency of Wings, and its ſtately Flight: They alſo call it *Perle*, from the figure of its Head, or rather from the roundneſs and colour of its Eyes. It is called by the *Latins Libella*, perhaps becauſe in flying it carries its Body Horizontal; not that it does ſo always, for it is divided from ſpace to ſpace into rings, by means of which, it compoſes Angles with its body, whoſe lines it can make longer or ſhorter as it finds occaſion. Theſe different ſections ſerve to the motion of this Inſect, as we know the Tail doth in Birds, and as they are lengthened or contracted, they carry themſelves according to their various inclinations, the point or center being fixed between their Wings. All Modern Naturaliſts know that the great ſort of *Libellæ* are generated under water, wrapt up in a Membrane, which at length diſſolves and turns to nothing. This *Phenomenon* is not only